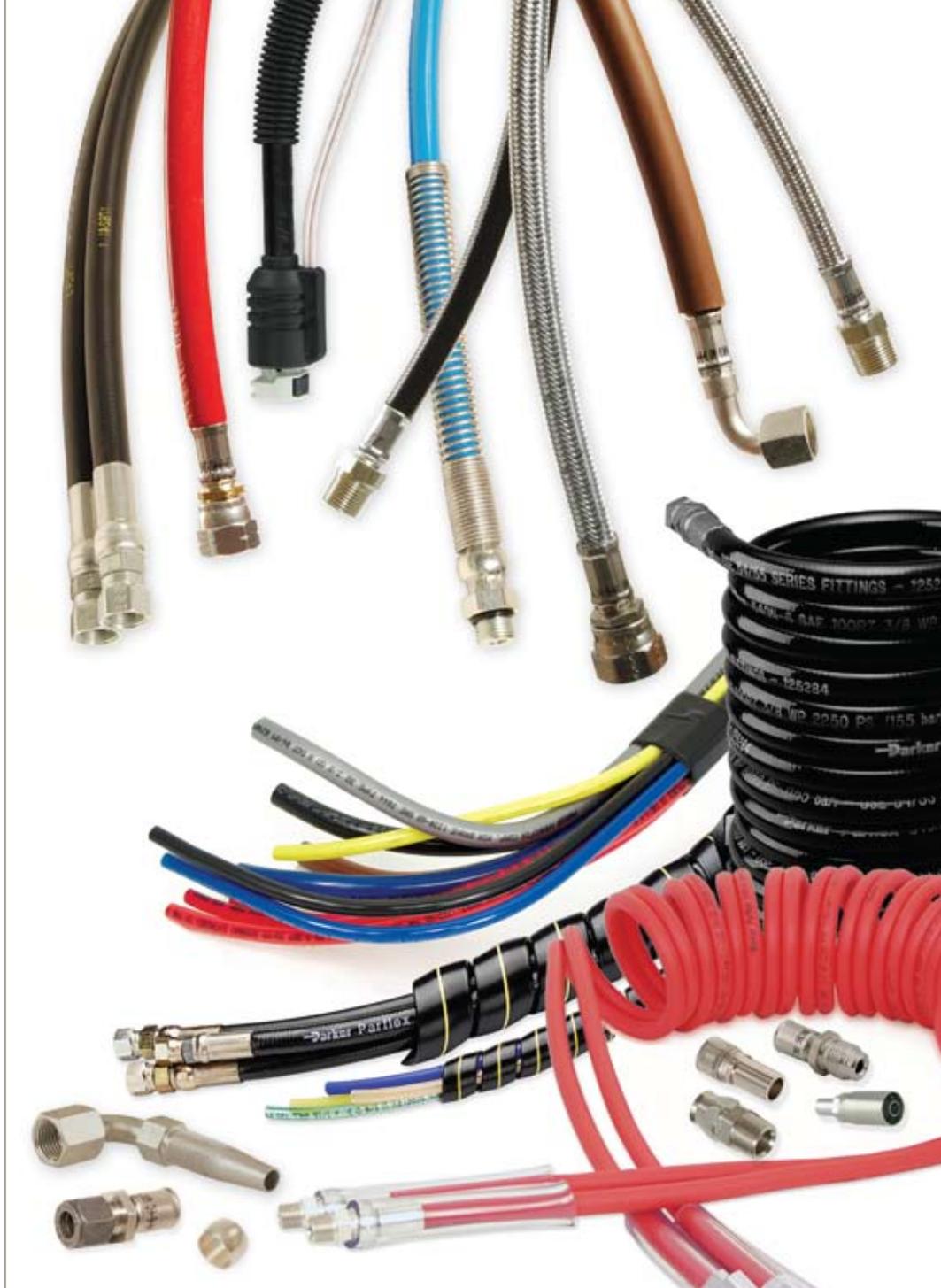




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Parflex Products Quick Reference Guide

4660-QRG | August 2010



ENGINEERING YOUR SUCCESS.

Parflex Hose & Tubing Solutions

For Unique & Extreme Applications

The Parflex Division offers an extensive selection of hose, tubing, fittings and accessory products for specific fluid-handling applications. Many of these products have been application engineered to handle high temperatures, high pressures and other application specific requirements that common rubber hoses cannot handle.

Parflex product lines and manufacturing capabilities have grown steadily since the 1960's. Today the Parflex Division headquarters in Ravenna, Ohio, with additional manufacturing units in Texas, Wisconsin, North Carolina, Arizona, Germany, France and Mexico. Our worldwide distribution network serves customers throughout the world.

This Quick Reference Guide provides overviews and brief specifications to help you narrow your search for the right Parflex product. It highlights products in the following catalogs:

CAT. 4660

Parflex Thermoplastic Hose, Tubing, Fittings & Accessories

CAT. 4690

MH/US Metal Hose

CAT. 5162D

PAGE Fluoropolymer Hose & Fitting Products

CAT. 4150-55D

TexLoc Fluoropolymer Extrusions

To view catalogs, visit www.parker.com/parflex or contact 1-800-C-Parker for an actual copy.



HOSE Fluoropolymer

919/919B

919/919B - For chemical transfer lines, coolant, hot oils, adhesive dispensing, medical and/or compressed air and gases. 625-3000 psi. -100°F to 450°F. Size 3/16" - 1-1/8" I.D. dependent on type. Meets or exceeds SAE 100R14A/B. **919B** - Static Dissipative design.

919J/919U

919J/919U - Same applications as 919 except 919J has a silicone jacket and 919U has a urethane jacket to protect SS wire reinforcement. 1000 - 3000 psi. Size 3/16" - 7/8" I.D. dependent on type. Meets or exceeds SAE 100R14A. **919J** -40°F to 450°F. **919U** -40°F to 275°F.

929/929B/929BJ

929/929B/929BJ - For instrumentation lines, sampling/analyzing lines, and applications requiring tight routing. 250 - 3000 psi. -100°F to 450°F. Size 3/16" - 7/8" I.D. dependent on type. Meets or exceeds SAE 100R14A. **929B** - Static Dissipative design. **929BJ** has silicone jacket.

939/939B

939/939B - Convoluted PTFE hose for extra flexibility. Exceptional kink resistance. Transfer lines for nearly all chemicals, hot oils, compressed air or gases. 250 - 1500 psi. -100°F to 450°F. Size 3/8" - 2" I.D. **939B** - Static Dissipative design.

943B

943B - For high temperature hydraulic lines and transfer lines for nearly all chemicals, compressed air and gases. 3000 constant psi. -65°F to 400°F. Size 5/16" - 29/32" I.D. Meets or exceeds SAE 100R17 & 100R7.

950B

950B - For high temperature hydraulic lines and transfer lines for nearly all chemicals, compressed air and gases. 4000 constant psi. -65°F to 400°F. Size 15/64" - 29/32" I.D.

955B

955B (5000 psi) - For high pressure transfer lines for nearly all chemicals, compressed air and gases. 5000 constant psi. -65°F to 400°F. Size 15/64" - 29/32" I.D.

PAGE Business Unit

CUSTOM Fluoropolymer Braided Hose

Core Materials - USP Class VI and FDA Compliant PTFE & PFA Smoothbore or Convoluted

Braiding Materials - Stainless Steel, Polypropylene, PVDF, PEEK™, Nomex

Size Range - 1/8" up to 4" I.D. dependent on type

Specialty Hoses - EPDM Rubber Covered Fluoropolymer, Food Transfer, Platinum Cured, Silicone Covered, SS Braid

Contact PAGE direct at page@parker.com or call 800-423-6551

HOSE Speciality Applications

DURA-flex™



Fast-Stor® DURA-flex™ - Non-conductive, twin line retractable coiled hose. 28% lighter than competing rubber hose products to reduce operator fatigue and extend the life of the hose. Size 3/8" I.D. -40°F to +212°F. 2250 or 4000 psi.

eXtreme Duty Hose (XDH)



XDH Hose - Designed to be heat formed into custom routings. XDH blends the rigidity of steel tube with the flexibility of a rubber hose. Parflex XDH hydraulic hose is built for extreme environmental conditions such as high temperatures, complicated routings, high abrasion, and aggressive fluids. Sizes 1/4" - 1/2" I.D. -65°F to +300°F.

56DH / 568DH



56DH/568DH - Fast response hose. Hydraulic testing equipment for lab and field use. -40°F to 212°F. 6000 psi. Size .090" & .142" I.D.

PAGE Business Unit



Specialty Fluoropolymer (PTFE) Hose Products
Food Transfer Hose, PAGE-flex SBF™, Sight Flow Indicators, Rubber Covered Fluoropolymer Hose, Flare-Seal™, Platinum Cured Silicone Products.

Air Hose & Self Retracting Coils

No-Mar™ Polyurethane Fast-Stor® Air Hose, Fast-Stor® Assemblies - Self retracting Nylon or Polyurethane. Abrasion resistant for a long service life over a wide range of temperatures. Up to 200 psi. -40°F to +212°F. (Nylon) -40°F to +212°F. Sizes 3/16" - 1/2" O.D. Assorted colors.



Ultra-Lite >>Superbraid<< Air Hose - 63% lighter weight than rubber products. Extremely tough and abrasion resistant. Available as hose assembly with state-of-the-art strain relief system, allowing hose to bend freely without kinking. Up to 220 psi. -40°F to 165°F. Sizes 1/4" - 3/8" I.D. Blue and yellow.

9A/9M Metal Hose



9A/9M - General purpose hose. Flexible alternative to rigid tubing and pipe. 2700 psi. Cryogenic to 1200°F. continuous with 1500°F intermittent. Size 1/4" - 6" I.D. **9M** has compressed corrugations for increased flexibility.

9H Metal Hose



9H - Specially designed to maintain extreme pressure and flexibility. 5800 psi. Cryogenic to 900°F. Size 1/4" - 1-1/2" I.D.

CNG Hose



CNG - Electrically conductive, refueling hose designed for conveying compressed natural gas. 5000 psi. -40°F to 180°F. Size 1/4" - 1" I.D.

Predator® Sewer Hose

WATER JETTING/LATERAL CLEANING

S4 Predator® - 4000 psi. -40°F to 150°F for water. Size 1/2" and 5/8" I.D.

S5 Predator® - 4000 psi. -40°F to 135°F for water. Size 1/2" I.D. only.



Not Intended For Hydraulic Applications

SLH - Leader hose functions as a pilot line to save the primary hose from abuse. 3000 - 4000 psi. -40°F to 150°F. Size 1/2" - 1" I.D.

SEWER CLEANING

S6 Predator® - 2500 psi. -40°F to 135°F for water. Size 3/4" - 1-1/2" I.D.

S9 Predator® - 3000 psi. -40°F to 135°F for water. Size 3/4" and 1" I.D.

HOSE Speciality Applications

HJK Highjack®



HJK Highjack - High pressure hydraulic lines on jackhose, non-impulse & constant pressure lines. 10,000 psi. -40°F to 150°F. Size 1/4" I.D. only.

HLB Grease Line Hose



HLB Grease Line Hose - Grease and lubrication lines. 3000 psi. -40°F to 212°F. Size 1/8" I.D. & 3/16" I.D. With field attachable fittings, temp. range -40°F to 120°F.

540P



540P - Specialty water hose. 1250-2750 psi. -40°F to 150°F. Size 1/4" - 3/4" I.D. FDA & NSF-51 compliant core tube.

1035A/1035HT



1035A - Power cleaning for water and carpet cleaning applications. 1200-1500 psi. -25°F to 212°F. **1035HT** - 1500-1750 psi. -40°F to 230°F. Size 3/16" - 3/8" I.D. dependent on type.

526BA/527BA



526A - Breathing air refill hose. 6000 psi. -40°F to 180°F. Size 3/16" - 3/8" I.D. **527BA** - 7000 psi.



Many hoses are available in Twin-Line or Multi-Line Constructions

HOSE Hybrid

HFS Firescreen® HFS Firescreen II®



HFS Firescreen®/Firescreen® HFS II® - High temperature, medium pressure hose for hydraulic lines on off-road and industrial applications. Size 1/4" - 1" I.D. **HFS** -40°F to 250°F.* 1250-3000 psi. Meets or exceeds SAE 100R1AT. **HFS2** -40°F to 212°F.* 2000-5000 psi. Meets or exceeds SAE 100R16.

M8 E-Z Flex®



M8 E-Z Flex® - Constant pressure hose for high pressure hydraulic applications where spiral wire reinforced hose might normally be used. -40°F to 250°F.* Size 3/8" - 5/8" I.D. Meets or exceeds SAE 100R12.

D6



D6 - Constant pressure hose for medium pressure industrial applications where a maximum 3000 psi working pressure is required. -40°F to 250°F.* Size 1/4" - 1" I.D. Meets or exceeds SAE 100R17.

H6



H6 - High performance hydraulic hose with the largest temperature range of a medium pressure hose. Low change in length under pressure. -70°F to 250°F.* (H604-H608) -50°F to 250°F.* (H610-H612) Sizes 1/4" - 3/4" I.D.

R6 Abrasion King®



R6 Abrasion® - Industrial medium pressure hydraulic hose with abrasion resistant nylon braided jacket. Braid incorporates a blue plait for easy identification. 3000 psi. -50°F to 250°F.* (R604-R610) -50°F to 212°F.* (R612-H616) Sizes 1/4" - 1" I.D.

HTB Eliminator®



HTB Eliminator® - Four (4) spiral wire hose performance in a high tensile two-wire braid construction. 3500 - 7000 psi. -40°F to 212°F.* Size 1/4" - 1" I.D.

*All Hybrid hoses are limited to +135°F for synthetic hydraulic fluids and water-based fluids. See complete hose descriptions in Catalog 4660.

HOSE General Hydraulic

510A



510A - Medium pressure service. 510A transports refrigerants R12, R22, 34A, & R502. -40°F to 212°F. Size 1/8" - 1" I.D. Meets or exceeds SAE 100R7.

515H



515H - Compact, light weight hose for hydraulic & pneumatic systems where a small O.D. is necessary, such as pilot lines and joystick controls. 1500-2175 psi. -40°F to 212°F.* Size 3/16" - 1/2" I.D.

518C/510C



518C/510C - Medium pressure hose for hydraulic circuit exposure. 1000-3250 psi. -40°F to 212°F.* Size 1/8" - 1" I.D. Meets SAE 100R7. **518C** Nonconductive, meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per foot.

520N/528N



520N - For hydraulic & pneumatic circuits and systems. Hot water applications. 2750-5000 psi. -40°F to 212°F. Size 3/16" - 5/8" I.D. Meets or exceeds SAE 100R8. **528N** Nonconductive, meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per foot.

53DM/538DM



53DM - DuraMax™ low temperature hose is excellent for over-the-sheave (pulley), lift truck, cold storage or refrigerated areas. 3000 psi. -70°F to 212°F.* Size 3/16" - 3/4" I.D. **538DM** Nonconductive, meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per foot.

540N



540N General Hydraulic Hose - Excellent chemical compatibility. 1250-3000 psi. -40°F to 212°F. Size 1/8" - 3/4" I.D. Meets or exceeds SAE 100R7.

55LT



55LT - Low temperature hose. Excellent for over-the-sheave, lift truck, & cold storage. 1250-3250 psi. -70°F to 212°F.* Sizes 1/8" - 3/4" I.D. Meets or exceeds SAE 100R7.

560/563



560 / 563 - Most synthetic hydraulic fluids, water, and chemicals. 1750-3500 psi depending on type. Size 3/16" - 3/4" I.D. dependent on type. -40°F to 250°F.*

573X/575X



573X/575X - Fast response hose for marine and offshore drilling applications. Where fast, accurate response time is required. -40°F to 212°F. Size 3/16" - 1" I.D. **573X** - 3000 psi **575X** - 5000 psi

580N/H580N



580N/H580N - High pressure hose. Replaces 100R2 with increased flexibility. -40°F to 212°F. Size 1/4" - 1" I.D. 1250-3000 psi. Meets or exceeds SAE 100R8. **H580N** - Cover is not perforated.

588N



588N - High pressure, non-conductive. -40°F to 212°F. Size 1/4" - 1" I.D. Meets or exceeds 100R8. Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per foot.

590



590 - General purpose hydraulic hose with 2-wire strength in a 1-wire hose. For use in construction and agriculture equipment, tools, hydrostatic transmissions, refuse vehicles. 2000-5000 psi. -40°F to 250°F.* Size 3/16" - 1" I.D. Meets or exceeds SAE 100R2.

593



593 - General purpose hydraulic hose with 2-wire strength with one braid flexibility. 3000-3250 psi. -40°F to 212°F.* Size 3/4" (polyester core) - 1" I.D. (nylon core) Meets or exceeds SAE 100R2.

83FR



83FR - Weld spatter resistant air and water hose; often used in robotic welding applications. 300 psi. -20°F to 200°F. Size 1/4" - 3/4" I.D.

B9



B9 - Low pressure transmission of oil, air, water and coolants. 250 psi. -40°F to 200°F. Size 3/16" - 5/8" I.D.

*Hoses are limited to +135°F for synthetic hydraulic fluids and water-based fluids.

TUBING Products

Polyethylene Tubing

Series E, Instrument Grade; Series EB, Ultraviolet Light Resistant - Linear Low density, flexible, chemical resistant, high-dimensional stability and long-term strength. Up to 145 psi. -85°F to 150°F. Sizes 1/4" - 5/8" O.D. Meets FDA, NSF-51 & NSF-61 requirements. Assorted colors.

Series PEFR, Flame Resistant - Preferred product for pneumatic control applications in the HVAC and energy conservation industry. Working pressure up to 185 psi. -85°F to 150°F. Sizes 5/32" - 1/2" O.D. Meets UL94V-2 flame classification. Black.

Series HDPE - High density, high strength semi-rigid tubing. Higher burst pressure, less easily cut/damaged than Series E. Higher burst pressure and better durability than Series E tubing. 300 psi. -80°F to 175°F. Sizes 1/4" & 3/8" O.D. Black.

Polyurethane Tubing

Series U, Polyether Base; Series HU, High Durometer - Tough, flexible, and kink-resistant with broad temperature range. High and medium durometer available. HU has shore hardness greater than 95 durometer. Up to 300 psi. -40°F to 180°F. Sizes 1/8" - 3/4" O.D. Assorted colors.

Series HUF, Microweld - Reduced installation time, flame retardant, light-weight and abrasion resistant. Ideal for air/water supply on robots, end-of-arm tooling for robotic-welding systems or general automation applications. Up to 175 psi. -40°F to 180°F. Sizes 1/4" - 1/2" O.D. Assorted colors.

Nylon Tubing

Series N, Flexible - Flexible, abrasion resistant tubing with heat/light stability for outdoor service applications. Excellent resistance to chemicals and stress cracking. Up to 500 psi. -65°F to 200°F. Sizes 1/8" - 1/2" O.D. Assorted colors.

Series NR, Semi-Rigid High Strength - Better chemical resistance than Series N. Good resistance to high ambient temperature and moisture absorption. Up to 625 psi. -60°F to 200°F. Sizes 1/8" - 1/2" O.D. Black and natural.

Series PAT, Pure Air Tubing - For use in pure air and gas distribution systems. Excellent resistance to chemicals and ultraviolet light, low moisture absorption and high tensile strength. Up to 350 psi. -40°F to 200°F. Sizes 1/8" - 3/4" O.D. Black, brown and silver.

Polypropylene Tubing

Series PP, Laboratory Abrasion Grade; Series PPB: Ultraviolet Light Resistant - Flexible tubing for high temperatures and pressures. For food contact applications. Excellent resistance to hot water, corrosive acids and stress cracking. Up to 350 psi. 0°F to 200°F. Sizes 1/8" - 5/8" O.D. White PP Series meets FDA and NSF-51 specifications. Black and white.

Clear Vinyl Tubing

Formula V-1, Instrument and Laboratory Grade - PVC tubing with exceptional purity, clarity and flexibility. Ideal for use in contact with food and drugs for human consumption. Up to 75 psi. Sizes 1/8" - 1-3/4" O.D. -85°F to 150°F. FDA Compliant. Clear.

Fluoropolymer Tubing

Available from TexLoc Business Unit
Materials include USP Class VI and FDA Compliant PTFE, FEP, PFA, High Purity PFA, PVDF, ETFE, ECTFE & PEEK™
Products - Smoothbore, Convoluted, Corrugated, Heatshrink, Retractable Coils, and Beading
Sizes Range from .005" up to 4" I.D. dependent on type.
Temp. Range from -268°F up to +500°F dependent on material type.
Contact TexLoc direct at texloc@parker.com or call 800-423-6551.



FLEET Products

Airbrake Tubing



Airbrake Tubing 1120 Type A, 1120 Type B
Nylon tubing for tractor, trailer and other mobile air brake and air accessory systems. Choice of single-wall design or nylon core with fiber reinforcement. Up to 150 psi. Sizes 1/8" - 3/4" O.D. -40°F to 200°F. Meets or exceeds SAE J844 Type A/B and D.O.T. FMVSS 106 requirements.

Fifth Wheel Slider Coil



Fifth Wheel Slider Coil - Self adjusting, pneumatic tubing coils for fifth wheel sliding action. Up to 150 psi. Size 1/4" O.D. Meets or exceeds D.O.T. FMVSS 106 standard.

Harnesses & Bundles



Harnesses & Bundles - Custom-engineered air brake tubing harnesses. Used on truck and bus production lines to cut production time and tube scrap. Supplied with pre-cut tube and assembled into a single unit. Sizes 1/8" - 3/4" O.D. For details, view BUL. 4660-Harness.

Brakcoil®, DuoCoil™ DollyCoil™, SliderCoil™



Brakcoil®, DuoCoil™, DollyCoil™, SliderCoil™
Coiled nylon tubing for tractor-to-trailer air brake systems. Available in pre-assembled kits for easy installation. Color coded - Blue for service, Red for emergency. Working lengths to 15 feet. Up to 150 psi. Sizes 1/2" O.D.

SCR Hose Electrically Heated

SCR Electrically Heated Assemblies - Designed for heat and conveying DEF (Diesel Exhaust Fluid) throughout the SCR system. Available in Suction/Throttle Line or PA Pressure Line designs. Both hoses create consistent thaw and are more reliable than traditional coolant heated hoses. Unlike the competition's electrically heated hose, Parflex SCR hose locks-in the electrical heating wires, provides better protection to the entire hose and with the heated fittings, provides uniform heating through-out the assembly. 600 psi. Size 6mm. -40°F up to 248°F depending on style. Multiple customization options available. For details, view BUL. 4660-SCR.



Consistent Thaw, Multiple Customization Options

EQUIPMENT & ACCESSORIES

Fittings



Fittings - Parflex offers fittings for all of the hoses listed in this brochure. For details, please view Parflex Catalog 4660 or PAGE Catalog 5162D.

MiniKrimp™



MiniKrimp™ - At just 42 lbs., the MiniKrimp™ is the lightest and fastest portable crimper made. The MiniKrimp™ makes factory-style assemblies possible anywhere you need them. Silver die ring and Power unit (Hand pump or Air over Hydraulic) included as standard.

Hose Protection



Accessories -Spring guards, protective sleeving and armor guard add abrasion protection to hoses. Parflex offers a wide variety. For details, please view Parflex Catalog 4660 or PAGE Catalog 5162D.

Parker Fluid Connectors Group

North American Divisions & Distribution Service Centers

Your complete source for quality tube fittings, hose & hose fittings, brass & composite fittings, quick-disconnect couplings, valves and assembly tools, locally available from a worldwide network of authorized distributors.

Fittings:

Available in inch and metric sizes covering SAE, BSP, DIN, GAZ, JIS and ISO thread configurations, manufactured from steel, stainless steel, brass, aluminum, nylon and thermoplastic.

Hose, Tubing and Bundles:

Available in a wide variety of sizes and materials including rubber, wire-reinforced, thermoplastic, hybrid and custom compounds.

Worldwide Availability:

Parker operates Fluid Connectors manufacturing locations and sales offices throughout North America, South America, Europe and Asia-Pacific.

For information, call toll free...

1-800-C-PARKER
(1-800-272-7537)

North American Divisions

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fax 281 530 5353

Fluid System Connectors Division

Otsego, MI
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Hose Products Division

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fax 440 268 2230

Parflex Division

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